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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,674	04/13/2004	Hiroshi Morikawa	251708US-2 CONT	2872
22850 7590 08/10/2007 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER LUU, SY D	
			ART UNIT 2174	PAPER NUMBER
			NOTIFICATION DATE 08/10/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/822,674	MORIKAWA, HIROSHI	
	Examiner	Art Unit	
	Sy D. Luu	2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is responsive to the Amendment, filed May 7, 2007.
2. Claims 1-36 are pending in this application. Claims 1, 5, 7, 11, 19, 24, 29, and 33 are independent claims. In the instant Amendment, claims 19-36 were added, and claims 1, 5, 6, 10-12 were amended. This action is made Non-Final.

Allowable Subject Matter

3. The indicated allowability of claims 5 and 11 is withdrawn in view of the new grounds of rejections as set forth below.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. 1-2, 7-8, 13-18, 29-31 and 33-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson et al. ("Wilson", US 5,467,170) in view of Kanematu (US 7,130,066 B1).

As per claim 1, Wilson teaches a method of controlling an image forming apparatus comprising the steps of:

displaying an operation status message area on a first part of a display (fig. 3; e.g. *message area showing "Ready to Copy"*);

displaying a document counting area configured to show a number of sheets set and a number of documents produced on a second part of the touch panel display (col. 4, lines 29-33);

displaying an input document handling area on a third part of the display, (fig. 3; col. 4, lines 51-58; *the area within the Job Setup Display JSUD shown above the job feature buttons "Original -> Copy" through "Zoom"*).

Wilson does not teach: (a) the display to be a touch panel display; and (b) allowing selection of at least one kind of input document for image forming from the input document handling area. However, these features are known in the art. For instance, Kanematu teaches a method of controlling an image forming apparatus, wherein a touch panel display is employed (fig. 3; col. 8, lines 2-9; *LCD 171*), as well as providing users with an input document handling area in which selection of a kind of input document from the input document handling area could be made (fig. 43; col. 22, lines 8 et seq., and col. 33, lines 30-39). It would have been obvious to an artisan at the time of the invention to combine Kanematu's teaching with Wilson's method in order to further provide users with yet another choice for inputting selections, as well as to further enhance the image capturing resolution with specific functionalities for selecting type of input document.

As per claim 2, Wilson teaches the step of displaying an output document handling area on a fourth part of the touch panel display, and allowing selection of at least one of a sort mode, a stack mode, a staple mode, and a punch mode from the output document handling area (fig. 3;

the area within the Job Setup Display JSUD shown above the job feature buttons "Copy Exit" and "Staple").

Claims 7-8 are similar in scope to claims 1-2 respectively, and are therefore rejected under similar rationale.

Claims 13-16 are similar in scope to claim 2, and are therefore rejected under similar rationale. Wilson further teaches only information displayed in one of the touch screen panel subsections that includes selected function keys changes when the selected function keys are selected, while the display of the subsections not including the selected function keys are maintained on the touch screen panel (*all areas are depicted in figure 3*).

As per claim 17, Wilson teaches the first, second, and third touch screen panel subsections to be horizontally arranged side by side on the touch screen panel in first, second, and third touch screen panel order (fig. 3).

As per claim 18, Wilson teaches wherein the second touch screen panel subsection has a greater area than each of the first and third touch screen panel subsections (fig. 3; *control copy processing section extends from the area within the Job Setup Display JSUD shown above the job feature buttons "Original -> Copy" through "Zoom"*).

Claims 29-31 are similar in scope to claims 1-2, and are therefore rejected under similar rationale.

Claims 33-35 are similar in scope to claims 1-2, and are therefore rejected under similar rationale.

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6. Claims 3-6, 9-12, 19-28, 32 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson et al. ("Wilson", US 5,467,170) and Kanematu (US 7,130,066 B1), in view of Kimoto et al. ("Kimoto", US 5,390,005).

As per claims 3-4, the method of Wilson and Kanematu does not disclose the steps of: displaying at least one image forming function tab, allowing selection of a program key to register the at least one image forming function tab, displaying a programmable registered image forming function tab area on a fifth part of the touch panel display, and allowing selection of at least one registered image forming function tab. This is what Kimoto teaches in a method of indicating a setting screen of an image forming machine on which a touch-panel is displayed (col. 14, line 38 et seq.). It would have been obvious to an artisan at the time of the invention to combine Kimoto's teaching with the method of Wilson and Kanematu in order to provide a convenient and automatic condition-setting means for recalling frequently used setting for copying.

Claim 5 is similar in scope to claim 1, and is therefore rejected under similar rationale. While the method of Wilson, Kanematu and Kimoto teaches all areas are displayed on the touch panel for a selection to be made, the displayed areas are not expressly indicated to be simultaneously maintained on the touch panel display while a selection is made via the touch panel display. However, since at least the method of Wilson and Kanematu teaches a plurality of areas being displayed simultaneously when a selection is made via the touch panel display, it would have been obvious to an artisan at the time of the invention to include any number of other areas such as the programmable registered image forming function tab area to also be displayed on the touch panel display at the same time when a selection is made, in order to further facilitate

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users navigation and selection of functionality choices with a minimum number of screen navigation.

As per claim 6, Kimoto further teaches the step of displaying an image forming function tab to comprise display at most ten image forming function tabs (Kimoto, fig. 19).

Claims 9-12 are similar in scope to claims 3-6 respectively, and are therefore rejected under similar rationale.

Claims 19-22 are similar in scope to claim 5, and are therefore rejected under similar rationale.

Claim 23 is similar in scope to claim 6 and is therefore rejected under similar rationale.

Claims 24-28 are similar in scope to claims 4 and 6, and are therefore rejected under similar rationale.

Claim 32 is similar in scope to claim 4, and is therefore rejected under similar rationale.

Claim 36 is similar in scope to claim 4, and is therefore rejected under similar rationale.

Response to Arguments

7. Applicant's arguments with respect to claims 1, 7 and 13 have been considered but are moot in view of the new ground(s) of rejection.

Inquires

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sy Luu whose telephone number is (571) 272-4064. The examiner can normally be reached on Monday - Friday from 7:300 am to 4:00 pm (EST).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached on (571) 272-4063.

The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sy D. Luu/

Sy D. Luu

Primary Examiner, Art Unit 2174